

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A heat exchanger, especially charge-air/coolant radiator ~~(1)~~, of disk-type construction, with two adjacent disks ~~(2)~~ defining an intermediate space through which a heat exchanger medium or a second medium to be cooled or to be heated flows, ~~characterized in that~~ wherein the entry and/or exit region ~~(26)~~ of the heat exchanger medium and/or second medium is expanded at least on the ~~discharge~~ discharge side or inflow side.
2. (Currently amended) The heat exchanger as claimed in claim 1, ~~characterized in that~~ wherein the region ~~(26)~~ runs rectilinearly at least over a third, in particular over half, of the width of the disk.
3. (Currently amended) The heat exchanger as claimed in ~~claim 1 or 2~~, ~~characterized in that~~ claim 1, wherein the region ~~(26)~~ runs at least over part of the width of the disk perpendicularly or essentially transversely to the average flow direction of the second medium.
4. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims~~, ~~characterized in that~~ claim 1, wherein the opening ~~(23, 24)~~ for the second medium in an end region of the disk ~~(2)~~ extends essentially over the entire surface of the same, except for edge regions ~~(27, 28)~~ and regions in which passages ~~(5, 6)~~ are arranged.
5. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims~~, ~~characterized in that~~ claim 1, wherein a common heat exchanger medium inlet ~~(9)~~ and heat exchanger medium outlet ~~(11)~~ are provided for the disks ~~(2)~~, with at least two heat exchanger medium passages ~~(5, 6)~~ being provided per heat exchanger medium inlet and/or outlet ~~(9 and 11 respectively)~~.

6. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein the disks (2) are of axially symmetrical design with respect to their longitudinal axis with regard to the heat exchanger medium passages (5, 6).

7. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein the disks (2) are of axially symmetrical design with respect to their transverse axis with regard to the heat exchanger medium passages (5, 6).

8. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein a heat exchanger medium inlet (9) and/or a heat exchanger medium outlet (11) has a branching (7) and/or junction (10).

9. (Currently amended) The heat exchanger as claimed in claim 8, ~~characterized in that~~ wherein the branching and/or junction (~~7 and 10, respectively~~) is designed in the shape of an arc of a circle.

10. (Currently amended) The heat exchanger as claimed in ~~either of claims 8 and 9,~~ ~~characterized in that~~ claim 8, wherein a bend of 30° to 90° is provided, as seen in the direction of flow, in the region of the branching (7) and/or of the junction (10).

11. (Currently amended) The heat exchanger as claimed in ~~one of claims 8 to 10,~~ ~~characterized in that~~ claim 8, wherein the heat exchanger medium inlet (9), which merges into two heat exchanger medium passages (5) after the branching (7), runs parallel to the heat exchanger medium passages (5) while the two-part part of the branching (7) is arranged in a plane lying perpendicularly thereto.

12. (Currently amended) The heat exchanger as claimed in ~~one of claims 8 to 11,~~ ~~characterized in that~~ claim 8, wherein the heat exchanger medium outlet (11), which merges from two heat exchanger medium passages (6) into the junction (10), runs parallel to the heat exchanger medium passages (6) while the two-part part of the branching (7) is arranged in a plane lying perpendicularly thereto.

13. (Currently amended) Use of a heat exchanger as claimed in ~~one of claims 1 to 12~~
claim 1 as a charge-air/coolant radiator (1) or oil cooler.